APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Polymer on the Basis of Bicyclo-2,2,1-Heptadiene, by V. A. Kargin, N. A. Plate, L. A. Dudnik, 6 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 3, 1959, pp 420-424.

PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

The Synthesis and Investigation of Hybrid Polymers. I. Styrene and Isoprene Block Polymers Formed by Catalytic Polymerization in Solution Under the Action of Butyl Lithium, by A. A. Korotkov, L. A. Shibayev, L. M. Pyrkov, 4 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 3, 1959, pp 443-453.

PP

Sci - Chem

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Gotlib, Yu. Ya.
INFRA-RED DICHROISM AND THE STRUCTURE OF STEREOSPECIFIC POLYMERS. [1963] 10p 14refs [BNSL] T. 1451 [DSIR] NLL M. 10106.
Order from OTS, SLA, or ETC $1.10 TT-63-23369

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 3, p. 474-481. (Abstract available)

DESCRIPTORS: *Block polymers, *Molecular isomerism, Stereochemistry, Methyl radicals, Infrared spectroscopy, *Dichroism, Molecular structure.

Comparison of the dichroic ratios for the bands of certain characteristic vibrations of the CH_2 and CHR groups in stereospecific polymers of the type $(-CH_2-CHR-)_n$ enables definite conclusions to be drawn about the type of stereoregularity. Simple results were obtained by neglecting the coupling between the vibrations (Chemistry--Physical, TT, v. 11, no. 7) (over)

TT-63-23369

I. Gotlib, Yu. Ya.
II. BNSL T-1451
III. DSIR NLL M. 1016
IV. British Nylon Spinners Ltd. London

NLL Ref: 5828.4
1962 (1016) (Loan)

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Kochkin, D. A., Kotrelev, V. N. and others.
ORGANOTIN POLYMERS. [1961] 4p.
Order from ATS $4.00 ATS-56N56R

Trans. of Vysokomolukelyarnye Soedinenlya (USSR) 1959, v. 1, no. 3, p. 482-484.

DESCRIPTORS: *Polymers, *Metalorganic compounds, *Tin compounds.

(Chemistry--Organic, TT, v. 7, no. 4)

62-12118

I. Kochkin, D. A.
II. Kotrelev, V. N.
III. ATS-56N56R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-3088

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Investigation of the Dielectric Losses in Poly(Methyl Acrylate) and Poly(Vinyl Acetate), by L. V. Krasner, and G. P. Mikhailov, 7 p.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol I, No 4, 1959, pp 542-548.
ATS-48T90R

Sci-Chem
Jun 60

303,703

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Investigation of the Dielectric Losses in Poly (Methyl Acrylate) and Poly(Vinyl Acetate) by L. V. Krasnov, G. P. Mikhailov.
RUSSIAN, par, Vysokomolekul Soedin,
Vol 1, No 4, 1959, pp 542-548.
ATS-4902

Sci
Dec 68

358,768

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Carbochain Polymers and Copolymers, XIV,
Copolymerization of Ethylene with Unsaturated
Compounds in the Presence of Alkyl Boron Compounds,
by N. S. Kolesnikov, A. P. Suprunu T. A. Soboleva,
8 p.

RUSSIAN, per, Vysokomolek Soyedineniya, 1959,
Vol I, No 4, pp 627-634.

SLA 60-10042

Sci
Apr 60
Vol III, No 3

112,086

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Organophosphorus Polymers. VI. Polyamides of Some Phosphorus-Containing Dicarboxylic Acids, by T. M. Frunze,

RUSSIAN, per, Vysokomol Soedinemiya, Vol I, No 5, 1959, pp 670-676.

ATS RJ-2133
ATS-3RL37R

Sci - Chem

May 60

115,419

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Organophosphorus Polymers. VII. Mixed Phosphorus-Containing Polyamides, by T. M. Frunze,

RUSSIAN, por, Vysokomol Soedineniya, Vol I, No 5, 1959, pp 677-681.

ATS RJ-2135

Sci - Chem

May 60

115421

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Sharkov, B. I. and Levanova, V. P.
A STUDY OF THE PACKING DENSITY OF COTTON CELLULOSE PREPARATIONS. [1963] 11p 3refs
Order from OTS, SLA, or ETC $1.60 TT-64-13710

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1959, v. 1, no. 5, p. 730-737.

DESCRIPTORS: *Cellulose, Preparation, *Density, Molecular structure, *Cellulosic plastics, *Rayon fibers.

(Materials--Textiles, TT, v. 11, no. 9)

TT-64-13710

I. Sharkov, B. I.
II. Levanova, V. P.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Mechanical Breakage of Fibres, by A. V. Orlova.

RUSSIAN, per, Vysokomolekylyarnye Soedineniya, Vol I, No 5, 1959, pp 740-742.

GB/256/T.1044

Sci-Tech Engr
Mar 63

325,291

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Korstylev, B. N. and Kozlov, P. V.
INVESTIGATION OF RELAXATION PROCESSES IN CELLULOSE ESTER FILMS. 2 Nov 62 [14]p. 8 refs.
Order from OTS or SLA $1.60 63-10840

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR) 1959, v. 1, no. 6, p. 793-798.

DESCRIPTORS: *Cellulose esters, *Films, Surface properties, Relaxation time.

As a result of a short thermal treatment of thin triacetate films at high temperature, a significant improvement in their mechanical properties was found. This treatment is connected with relaxation processes occurring in the films which lead to a decrease in internal stresses and to an increase in the packing density of the molecular chains of the film-forming substance. (Author)
(Materials--Plastics, TT, v. 9, no. 12)

63-10840
62-26507
I. Korstylev, B. N.
II. Kozlov, P. V.
REVERSE TRANS to FRENCH

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Heterochain Polyamides. XXI. The Relationship Between Melting Point and Structure in Homologous Series of Heterochain Polymers, by T. M. Frunze, et al, 11 pp.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya, Vol I, 1959, pp 809-813.

No 6

ASD 35M:1R
ATS/RJ-2433

Sci - Chem

Feb 61

138, 275

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Korshak, V. V., Gribova, I. A., and Andreeva, M. A.
A STUDY ON ORGANOPHOSPHORUS POLYMERS. VIII. POLYESTERS OF PHOSPHONIC ACIDS AND CERTAIN AROMATIC DIOXYCOMPOUNDS. [1961]
6p. 6 refs.
Order from OTS or SLA $1.10 62-10105

Trans. of [Vysokomolekulyarnye Soedineniya] (USSR) 1959, v. 1, no. 6 [p. 825-828].

DESCRIPTORS: *Organic compounds, *Phosphorus compounds, *Polymers, Esters, Phosphonic acids, Acids, Quinones, Resorcinol, Propenes, Phenyl radicals, Phenoxy radicals, Synthesis, Molecular structure, Physical properties

Polyesters of methylphosphonic, phenylphosphonic and phenoxyphosphonic acid and aromatic dioxycompounds: (Chemistry--Organic, TT, v. 7, no. 9) (over)

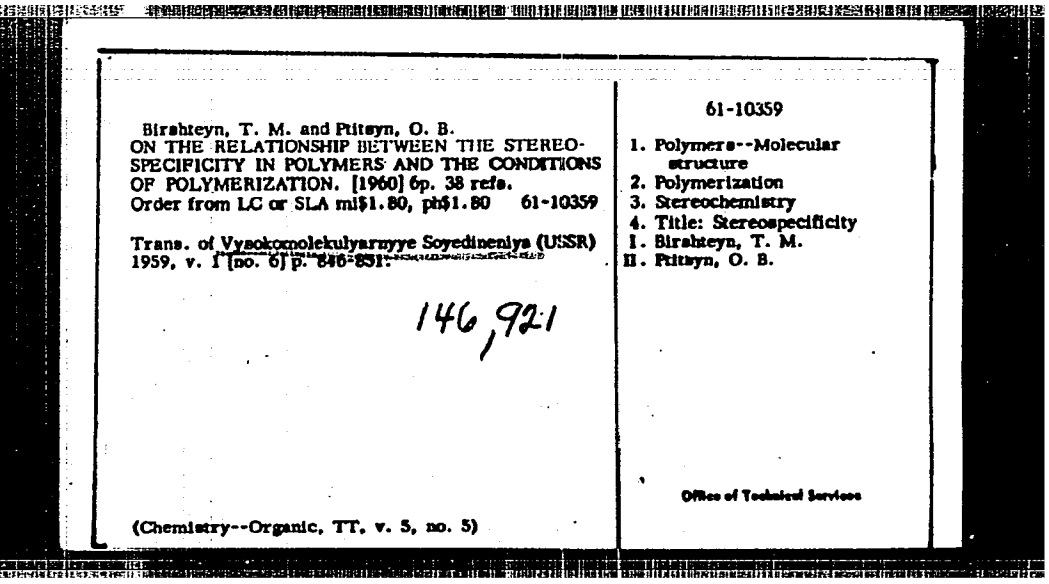
62-10105

I. Korshak, V. V.
II. Gribova, I. A.
III. Andreeva, M. A.
IV. Title: Polyesters...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5



Birshteyn, T. M. and Ptitsyn, O. B.
ON THE RELATIONSHIP BETWEEN THE STEREO-SPECIFICITY IN POLYMERS AND THE CONDITIONS OF POLYMERIZATION. [1960] 6p. 38 refs.
Order from LC or SLA mi$1.80, ph$1.80 61-10359

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1 [no. 6] p. 846-851.

146,921

(Chemistry--Organic, TT, v. 5, no. 5)

61-10359

1. Polymers--Molecular structure
2. Polymerization
3. Stereochemistry
4. Title: Stereospecificity
I. Birshteyn, T. M.
II. Ptitsyn, O. B.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Boldreva, I. I., Dolgoplosk, B. A., and Krol, V. A. REACTIONS OF ORGANOMETAL COMPOUNDS WITH SALTS OF HEAVY METALS. III. REACTIONS OF ORGANOALUMINUM COMPOUNDS WITH TITANIUM HALIDES. I Nov 62, 13p. 12 refs.
Order from OTS or SLA $1.60 63-10835

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR) 1959, v. 1, no. 6, p. 900-906.
Another trans. is available from OTS $1.60 as AD-273 126, Mar 62, 12p.

DESCRIPTORS: Synthesis, *Catalysts, Metalorganic compounds, *Aluminum compounds, *Ethyl radicals, *Titanium compounds, *Halides, *Complex compounds, Catalysis, Polymerization, Sterochemistry, Molecular isomerism.

A study was made of the products of the interaction of the catalyst components used for producing stereo-
(Chemistry--Organic, TT, v. 9, no. 11) (over)

63-10835

I. Boldreva, I. I.
II. Dolgoplosk, B. A.
III. Krol, V. A.
IV. Title: Reactions...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Kargin, V. A., Gorina, A. A., and Koretskaya, T. A.
AN ELECTRON-MICROSCOPIC STUDY OF THE MECHANISM OF THE SINTERING OF POLYTETRAFLUOROETHYLENE (FTOROPLAST-4). [1961] 7p.
Order from ATS $10.40 ATS-74N53R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 8, p. 1143-1147.

DESCRIPTORS: *Ethylenes, *Fluorides, Polymers, Sintering, Optical analysis, *Electron microscopy.

(Chemistry--Organic, TT, v. 6, no. 8)

61-25333

I. Title: Ftoroplast-4
I. Kargin, V. A.
II. Gorina, A. A.
III. Koretskaya, T. A.
IV. ATS-74N53R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS/RJ-3006

195229

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Electron Paramagnetic Resonance Study of Radicals Formed in Irradiation of Polyethylene With Fast Electrons, by A. T. Koritskiy,

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 8, 1959, pp 1182-1193.

ATS RJ-2120
AEC tr-4409

Sci - Chem

May 60

115,407

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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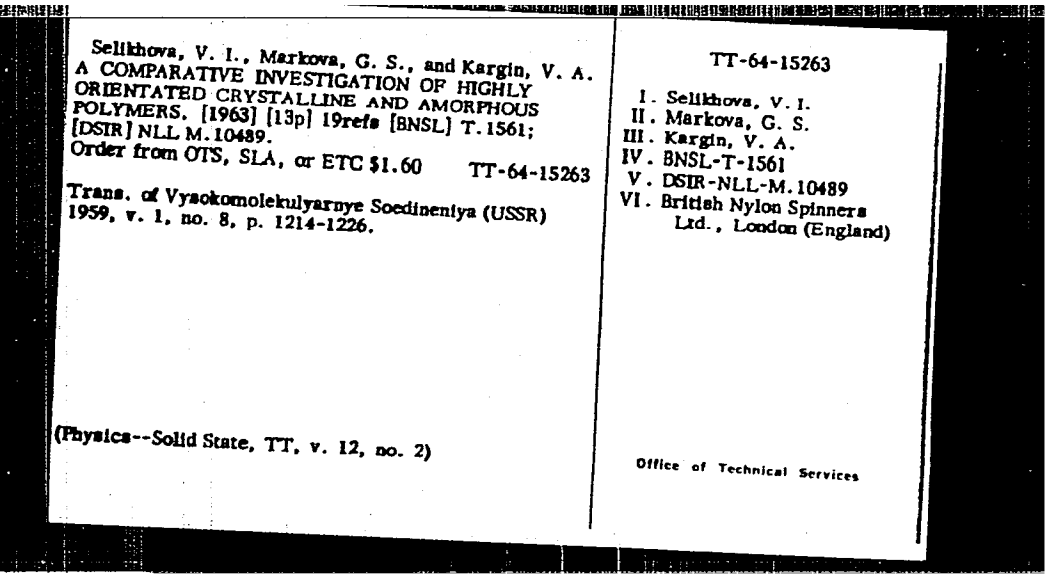


Selikhova, V. I., Markova, G. S., and Kargin, V. A.
A COMPARATIVE INVESTIGATION OF HIGHLY ORIENTATED CRYSTALLINE AND AMORPHOUS POLYMERS. [1963] [13p] 19refs [BNSL] T.1561; [DSIR] NLL M.10489.
Order from OTS, SLA, or ETC $1.60 TT-64-15263

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 8, p. 1214-1226.

(Physics--Solid State, TT, v. 12, no. 2)

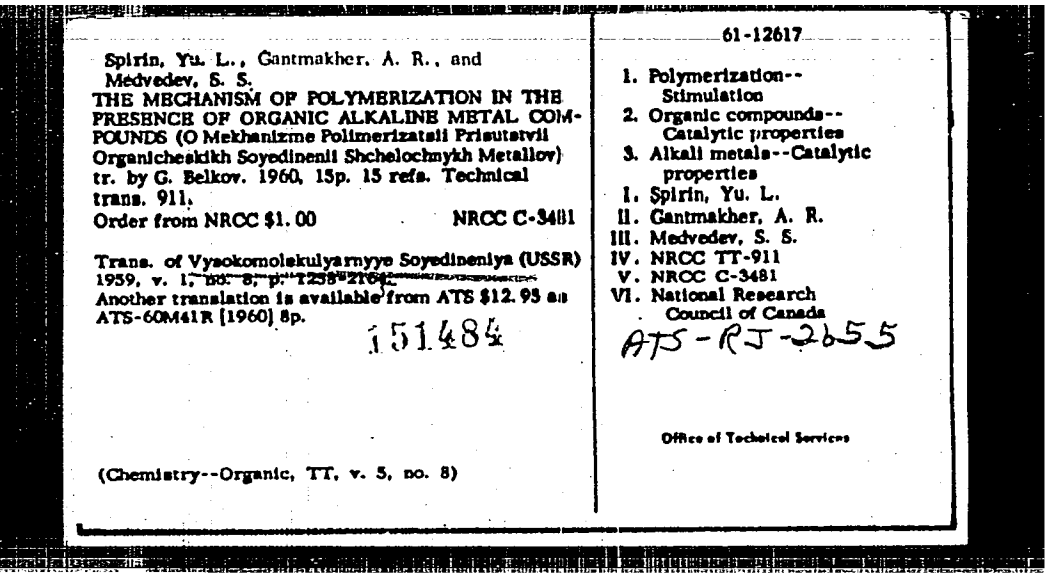
TT-64-15263

I. Selikhova, V. I.
II. Markova, G. S.
III. Kargin, V. A.
IV. BNSL-T-1561
V. DSIR-NLL-M.10489
VI. British Nylon Spinners Ltd., London (England)

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5



Spirin, Yu. L., Gantmakher, A. R., and Medvedev, S. S.
THE MECHANISM OF POLYMERIZATION IN THE PRESENCE OF ORGANIC ALKALINE METAL COMPOUNDS (O Mekhanizme Polimerizatsii Prisutstvii Organicheskikh Soyedinenii Shchelochnykh Metallov) tr. by G. Belkov. 1960, 15p. 15 refs. Technical trans. 911.
Order from NRCC $1.00 NRCC C-3481

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 8, p. 1258-2164.
Another translation is available from ATS $12.95 as ATS-60M41R [1960] 8p.

151484

(Chemistry--Organic, TT, v. 5, no. 8)

61-12617

1. Polymerization--Stimulation
2. Organic compounds--Catalytic properties
3. Alkali metals--Catalytic properties
I. Spirin, Yu. L.
II. Gantmakher, A. R.
III. Medvedev, S. S.
IV. NRCC TT-911
V. NRCC C-3481
VI. National Research Council of Canada

ATS-RJ-2655

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Kolesnikov, G. S. and [Fedorova, L. S.].
CARBOCHAIN POLYMERS AND COPOLYMERS. XII. EMULSION POLYMERIZATION OF VINYL COMPOUNDS IN THE PRESENCE OF TRIBUTYLBORON.
[1960] 8p. 6 refs.
Order from SLA mi$1.80, ph$1.80 60-18428

Trans. of [Vysokomolekulyarnyye Soyedineniya] (USSR) 1959, v. 1 [no. 8] p. 1266-1269.

It was shown that the polymerization of acrylonitrile in emulsion and with the use of tributylboron as a catalyst takes place only in the presence of oxygen or an oxygen donor, for example hydrogen peroxide. Methylmethacrylate and styrene polymerize in the absence of oxygen with diminished yields below those in the presence of oxygen. The formation of compounds of a peroxide nature was shown qualitatively in emulsion polymerization of acrylonitrile in the presence of tributylboron and oxygen of the air and assumptions were made concerning their structure. A study was made of (over)
(Chemistry--Organic, TT, v. 5, no. 3)

60-18428

1. Boron compounds (Organic)--Chemical reactions
2. Vinyl polymers--Synthesis
I. Kolesnikov, G. S.
II. Fedorova, L. S.
III. Title: Emulsion...

143,040

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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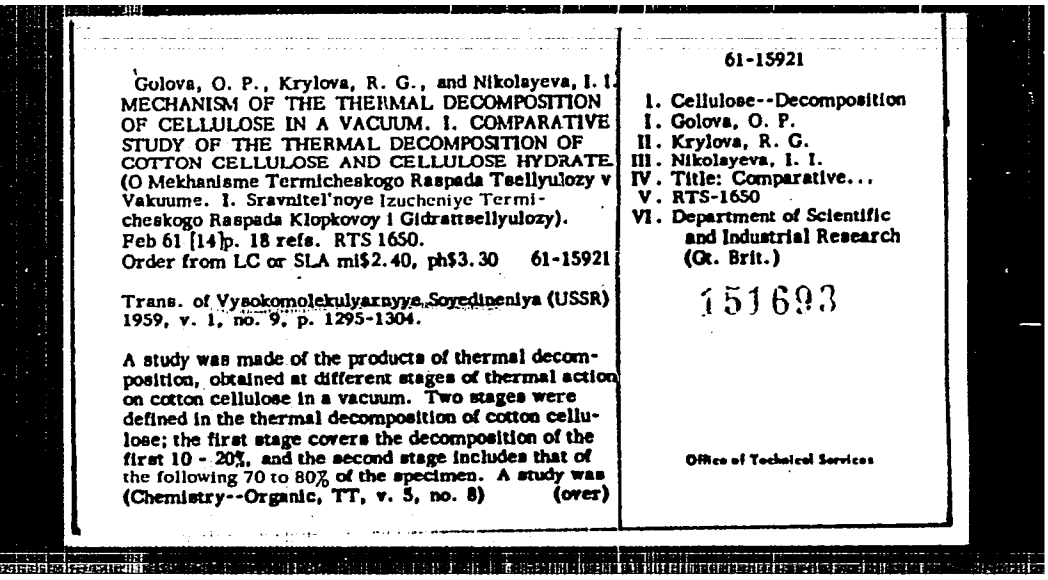


Golova, O. P., Krylova, R. G., and Nikolayeva, I. I.
MECHANISM OF THE THERMAL DECOMPOSITION OF CELLULOSE IN A VACUUM. I. COMPARATIVE STUDY OF THE THERMAL DECOMPOSITION OF COTTON CELLULOSE AND CELLULOSE HYDRATE. (O Mekhanisme Termicheskogo Raspada Tsellyulozy v Vakuume. I. Sravnitel'noye Izucheniye Termicheskogo Raspada Klopkovoy i Gidratsellyulozy).
Feb 61 [14]p. 18 refs. RTS 1650.
Order from LC or SLA mi$2.40, ph$3.30 61-15921

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 9, p. 1295-1304.

A study was made of the products of thermal decomposition, obtained at different stages of thermal action on cotton cellulose in a vacuum. Two stages were defined in the thermal decomposition of cotton cellulose; the first stage covers the decomposition of the first 10 - 20%, and the second stage includes that of the following 70 to 80% of the specimen. A study was
(Chemistry--Organic, TT, v. 5, no. 8) (over)

61-15921

1. Cellulose--Decomposition
I. Golova, O. P.
II. Krylova, R. G.
III. Nikolayeva, I. I.
IV. Title: Comparative...
V. RTS-1650
VI. Department of Scientific and Industrial Research (Gt. Brit.)

151693

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Korotkov, A. A., Mitsengendler, S. P. and others.
SYNTHESIS OF POLYMETHYL METHACRYLATE WITH REGULAR MICROSTRUCTURE. [1960] 8p.
Order from ATS $11.00 ATS-70N48R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 9, p. 1319-1326.

151524

(Chemistry--Organic, TT, v. 5, no. 8)

61-12768

1. Methyl acrylate--Synthesis
I. Korotkov, A. A.
II. Mitsengendler, S. P.
III. ATS-70N48R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Molecular Ordering of Polymers Precipitated from Solution, by L. A. Igonin.
RUSSIAN, per. Vysokomolekul Soedin, Vol 1, No 9, 1959, pp 1327-1332.
ATS RJ-4957

Sci-Mat
Feb 69

373.774

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Molecular Orientation of Polymers Precipitated From Solutions, by I. A. Igonin, et al.

RUSSIAN, per, Vysokomol Soedin, Vol 1, No 9, 1959, pp 1327-1332

CSIRO

Sci - Chem
Oct 61

171, 387

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Polymers With Conjugated Bonds in the Macromolecular Chains. Part 2. Paramagnetism and Some Other Properties of Polyarylvinylenes, by A. A. Berlin,

RUSSIAN, per, Vysokomol Soedineniya, Vol I, No 9, 1959, pp 1361-1363.

ATS RJ-2125

NLL RTS 1704

Sci - Chem

May 60

115 411

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Preparation of Graft Copolymers III.
K Grafting ofVinyl Monomers to Polyamides,
by V. V. Korshak, K. K. Mozgova, M. A. Shkolina,
6 pp.

RUSSIAN, per, Vysokomolek Soyed, Vol I, No 9,
1959, pp 1364-1368. 9092918

MDF K-208

Scl
Nov 61

173,472

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

A Study of the Polymarization of Styrene Molecular on Ziegler-Type Catalyst by the Method of Molecular Beams, by V. A. Kabanov, V. P. Zubov, et al.

RUSSIAN, per. VKysokomolekulyarnyye Soyed, Vol I, No 9, 1959, pp 1422-1427.

ATS-59M41R ATS-RS-2652

Sci
Vol IV, No 11
Jun 62

199, 238

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

The Light Aging of Polymethyl Methacrylate
I. Kinetics of Gas Evolution as Affected
by Light of Varying Wavelength, the Quantum
Yield of Photodegradation, by M. I. Frolova,
A. V. Ryabov.

RUSSIAN, per, Vysokomolekulyarnyye
Soyedineniya, Vol I, No 10, 1959,
pp 1453-1455.

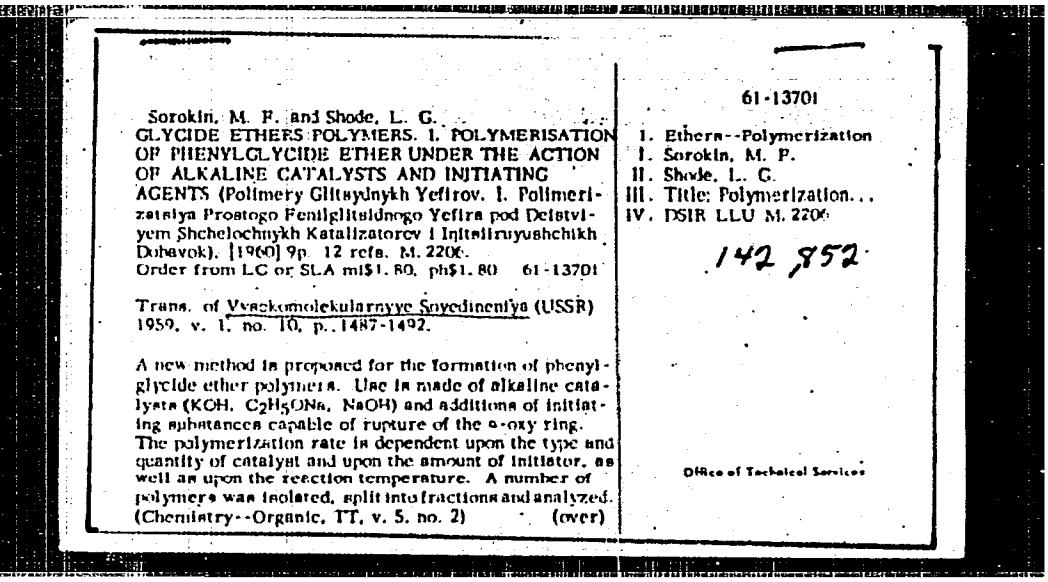
ATS-RJ-2681
ATS-53043R

187, 132

Sci
Vol IV, No 9
Mar 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5



Sorokin, M. F. and Shode, L. G.
GLYCIDE ETHERS POLYMERS. I. POLYMERISATION OF PHENYLGLYCIDE ETHER UNDER THE ACTION OF ALKALINE CATALYSTS AND INITIATING AGENTS (Polimery Glitsidnykh Yefirov. I. Polimerizatsiya Prostogo Feniglitsidnogo Yefira pod Deistviyem Shchelochnykh Katalizatorov i Initsiiruyushchikh Dobavok). [1960] 9p. 12 refs. M. 2206.
Order from LC or SLA mi$1.80, ph$1.80 61-13701

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1487-1492.

A new method is proposed for the formation of phenylglycide ether polymers. Use is made of alkaline catalysts (KOH, C_2H_5ONa, NaOH) and additions of initiating substances capable of rupture of the epoxy ring. The polymerization rate is dependent upon the type and quantity of catalyst and upon the amount of initiator, as well as upon the reaction temperature. A number of polymers was isolated, split into fractions and analyzed. (Chemistry--Organic, TT, v. 5, no. 2) (over)

61-13701

I. Ethers--Polymerization
I. Sorokin, M. F.
II. Shode, L. G.
III. Title: Polymerization...
IV. DSIR LLU M. 2206

142,852

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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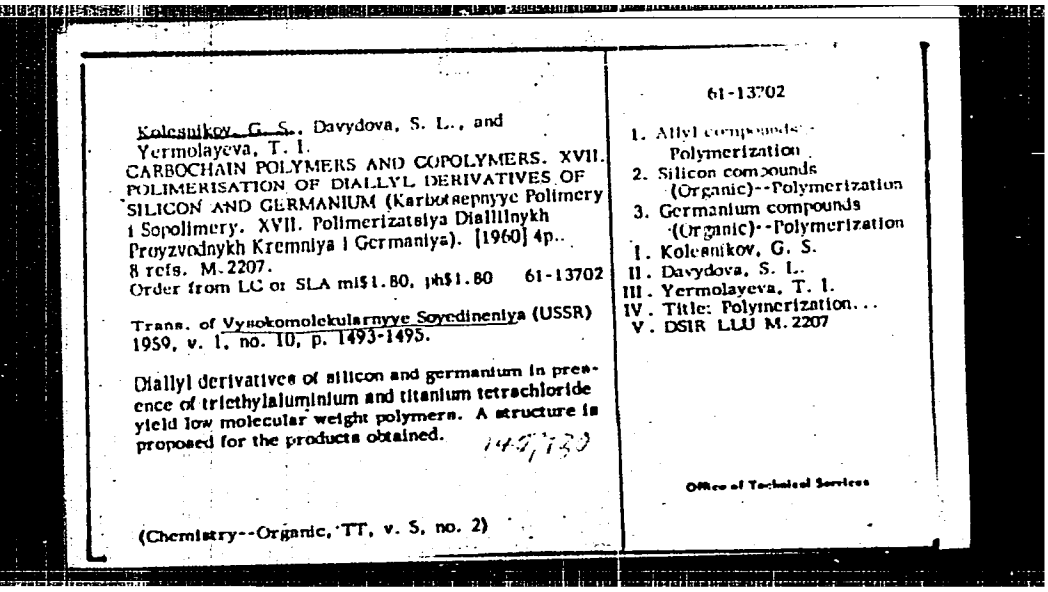

Kolesnikov, G. S., Davydova, S. L., and Yermolayeva, T. I.
CARBOCHAIN POLYMERS AND COPOLYMERS. XVII. POLIMERISATION OF DIALLYL DERIVATIVES OF SILICON AND GERMANIUM (Karbotsepnyye Polimery i Sopolimery. XVII. Polimerizatsiya Diallilnykh Proyzvodnykh Kremniya i Germaniya). [1960] 4p.. 8 refs. M-2207.
Order from LC or SLA mi$1.80, ph$1.80 61-13702

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1493-1495.

Diallyl derivatives of silicon and germanium in presence of triethylaluminium and titanium tetrachloride yield low molecular weight polymers. A structure is proposed for the products obtained.

(Chemistry--Organic, TT, v. 5, no. 2)

61-13702

1. Allyl compounds--Polymerization
2. Silicon compounds (Organic)--Polymerization
3. Germanium compounds (Organic)--Polymerization
I. Kolesnikov, G. S.
II. Davydova, S. L.
III. Yermolayeva, T. I.
IV. Title: Polymerization...
V. DSIR LUU M.2207

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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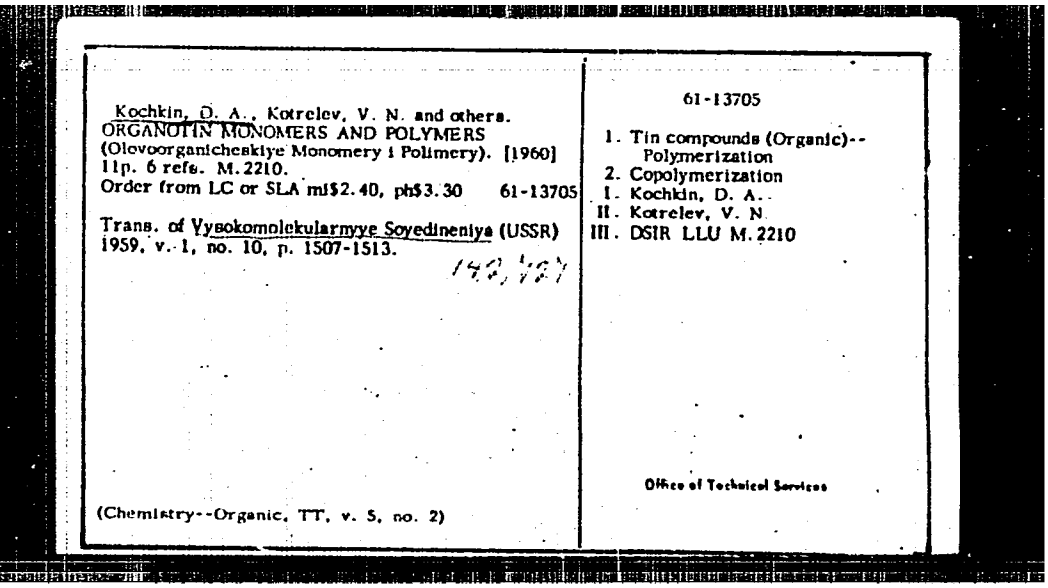

Kochkin, D. A., Kotrelev, V. N. and others.
ORGANOTIN MONOMERS AND POLYMERS
(Olovoorganicheskiye Monomery i Polimery). [1960]
11p. 6 refs. M.2210.
Order from LC or SLA mi$2.40, ph$3.30 61-13705

Trans. of Vysokomolekularnyye Soyedineniya (USSR)
1959, v. 1, no. 10, p. 1507-1513.

(Chemistry--Organic, TT, v. 5, no. 2)

61-13705

1. Tin compounds (Organic)--Polymerization
2. Copolymerization
I. Kochkin, D. A.
II. Kotrelev, V. N.
III. DSIR LLU M.2210

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Stavitskiy, I. K. and Borisov, S. N.
HYDROLYSIS OF DIMETHYLDICHLOROSILANE BY SODIUM ALUMINATE SOLUTIONS (Gidroliz Dimetildikhlorsilana Rastvorami Alyuminata Natriya). [1960] 9p. 16 refs. M.2208.
Order from LC or SLA mi$1.80, ph$1.80 61-13703

Trans. of Vysokomolekularnyye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1496-1501.

Experiments showed that in a strongly alkaline medium the hydrolysis of dimethyldichlorosilane by aqueous sodium aluminate solutions is accompanied by the formation of polydimethylalumasiloxane polymers. Their consistency depends upon the Si:Al ratios. Low molecular weight pseudo-rubber unstable polymers are formed on alkaline polymerization of oily polydimethylalumasiloxanes. They do not possess the properties of organosilicon elastomers.

(Chemistry--Physical, TT, v. 5, no. 2)

61-13703

1. Silicon compounds (Organic)--Hydrolysis
2. Sodium aluminates--Chemical reactions
I. Stavitskiy, I. K.
II. Borisov, S. N.
III. DSIR LLU M.2208

141,184

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Polymerisation and Copolymerisation of Fluorinated Styrenes, by A. R. Gantmakher, Yu. L. Spirin, 8 pp.

RUSSIAN, per, B Vysokomolekularnyye Soyedineniya, Vol I, No 10, 1959, pp 1526-1530.

OTS 61-13708

Sci

Sep 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Bessonov, M. I. and Kuvshishinskiy, Ye. V.
CERTAIN FEATURES OF THE DESTRUCTION OF ANNEALED POLYSTYRENE (O Nekotorykh Ozobennostyakh Razrusheniya Zakalennogo Polistirola). [1960] 7p. 6 refs. M.2219.
Order from LC or SLA mi$1.80, ph$1.80 61-13714

Trans. of Vysokomolekularnyye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1561-1565.

Experiments showed that annealed specimens of polystyrene fracture along large internal crevices. The material filling the crevice remains on the fracture surface, and can be removed in the form of a thin film. The properties are explained by the packet structure of the linear block polymers.

141, 167

(Chemistry--Organic, TT, v. 5, no. 2)

61-13714

1. Styrene polymers--Decomposition
I. Bessonov, M. I.
II. Kuvshishinskiy, Ye. V.
III. DSIR LLU M.2219

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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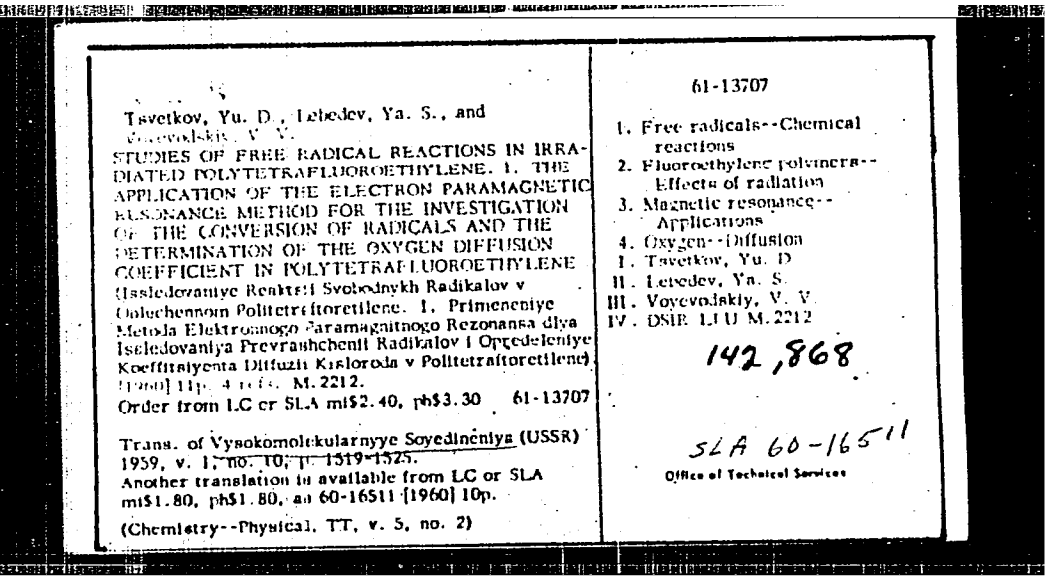

Tsvetkov, Yu. D., Lebedev, Ya. S., and Voyevodskiy, V. V.

STUDIES OF FREE RADICAL REACTIONS IN IRRADIATED POLYTETRAFLUOROETHYLENE. 1. THE APPLICATION OF THE ELECTRON PARAMAGNETIC RESONANCE METHOD FOR THE INVESTIGATION OF THE CONVERSION OF RADICALS AND THE DETERMINATION OF THE OXYGEN DIFFUSION COEFFICIENT IN POLYTETRAFLUOROETHYLENE (Issledovaniye Reaktsiy Svobodnykh Radikalov v Oblucheniom Politetraftoretilene. 1. Primeneniye Metoda Elektronnogo Paramagnitnogo Rezonansa dlya Issledovaniya Prevrashcheniy Radikalov i Opredeleniye Koeffitsiyenta Diffuzii Kisloroda v Politetraftoretilene) [1960] 11p. 4 refs. M.2212.

Order from LC or SLA mi$2.40, ph$3.30 61-13707

Trans. of Vysokomolekularnyye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1519-1525.

Another translation is available from LC or SLA mi$1.80, ph$1.80, as 60-16511 [1960] 10p.

(Chemistry--Physical, TT, v. 5, no. 2)

61-13707

1. Free radicals--Chemical reactions
2. Fluoroethylene polymers--Effects of radiation
3. Magnetic resonance--Applications
4. Oxygen--Diffusion
I. Tsvetkov, Yu. D
II. Lebedev, Ya. S.
III. Voyevodskiy, V. V.
IV. DSIR LIU M.2212

142,868

SLA 60-16511

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

CEA-tr-R-1354 Uncl. (Card 2)

Yu. (Ju.) D. Tsvetkov, Ya. (Ja.) S. Lebedev, and V. Voevodskii (Voevodskij). Translated into French from Vysokomolekulyarnye Soedineniya, 1: 1519-25(1959). 23p. 9082385

Chemistry; Radiation Effects; Translations
MC-4

C-4 NP NSA Dep.(mc); $2.60(fs), $0.89(mf)
JCL or LC

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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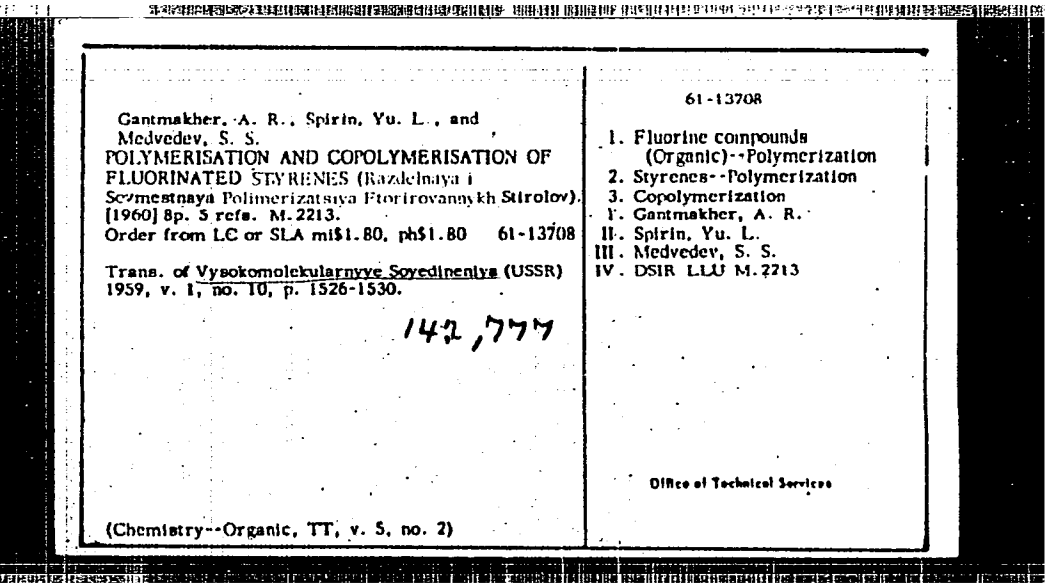

Gantmakher, A. R., Spirin, Yu. L., and Medvedev, S. S.
POLYMERISATION AND COPOLYMERISATION OF FLUORINATED STYRENES (Razdelnaya i Sovmestnaya Polimerizatsiya Ftorirovannykh Stirolov). [1960] 8p. 5 refs. M.2213.
Order from LC or SLA mi$1.80, ph$1.80 61-13708

Trans. of Vysokomolekularnyye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1526-1530.

142,777

(Chemistry--Organic, TT, v. 5, no. 2)

61-13708

1. Fluorine compounds (Organic)--Polymerization
2. Styrenes--Polymerization
3. Copolymerization
I. Gantmakher, A. R.
II. Spirin, Yu. L.
III. Medvedev, S. S.
IV. DSIR LLU M.2213

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Gantmakher, A. R., Spirin, Yu. L., and Medvedev, S. S.
POLYMERISATION AND COPOLYMERISATION OF FLUORINATED STYRENES (Razdelnaya i Sovmestnaya Polimerizatsiya Ftorirovannykh Stirolov). [1960] 8p. 5 refs. M.2213.
Order from LC or SLA mi$1.80, ph$1.80 61-13708

Trans. of Vysokomolekularnyye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1526-1530.

142,777

(Chemistry--Organic, TT, v. 5, no. 2)

61-13708

1. Fluorine compounds (Organic)--Polymerization
2. Styrenes--Polymerization
3. Copolymerization
I. Gantmakher, A. R.
II. Spirin, Yu. L.
III. Medvedev, S. S.
IV. DSIR LLU M.2213

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Some Properties of Starch-Methyl Methyl Methacrylate Graft Copolymers, by V. A. Kargin, N. A. Plate, E. P. Rebinder.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol I, No 10, 1959, pp 1547-1551.

ATS-52N13R
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194,303

Sci
Vol 4, No 10

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Moyseyev, V. D., Neyman, M. B., and Kryukova, A. I.
THERMAL DEGRADATION OF POLYPROPENE [Termicheskaya Destruktsiya Polipropilena]. [1961] 8p. (5 figs. omitted) 8 refs.
Order from LC or SLA mi$1.80, ph$1.80 61-10933

Trans. of Vysokomolekularnyye Soyedineniya (USSR) 1959, v. 1 [no. 10] p. 1552-1557.
Another translation is available from LC or SLA as 61-13712, DSIR LLU M.2217 [1960] 10p.

For abstract see Technical Translations 5: 114, 1961.

(Chemistry--Organic, TT, v. 5, no. 11)

61-10933

1. Propenes--Decomposition
I. Moyseyev, V. D.
II. Neyman, M. B.
III. Kryukova, A. I.

158997

Office of Technical Services

A suspended level Ubbelohde type viscometer is described that is suitable for determinations with small amounts of substance.

(Chemistry--Physical, TT, v. 5, no. 2)

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Usmanov, Kh. U., Aykhodzhayev, B. I., and Azizov, U. O.
PREPARATION OF GRAFT COPOLYMERS OF CELLULOSE BY IRRADIATION WITH Co-60 (Polucheniye Privitykh Sopolimerov Tsellyulosy Oblucheniyem Co-60). [1960] 3p. M.2221.
Order from LC or SLA mi$1.80, ph$1.80 61-13716

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1570.
Another translation is available from LC or SLA mi$1.80, ph$1.80 as 60-18467 [1960] 3p.

(Chemistry--Organic, TT, v. 5, no. 2)

61-13716

1. Cellulose--Polymerization
I. Usmanov, Kh. U.
II. Aykhodzhayev, B. I.
III. Azizov, U. O.
IV. DSIR LLU M.2221

14,194

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Korshak, V. V., Mosgova, K. K., and Shkolina, M. A. PREPARATION OF GRAFT COPOLYMERS. IV. GRAFTING OF STYRENE TO POLYAMIDES. [1961] [8]p. 3 refs.
Order from OTS or SLA $1.10 61-20636

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1 [no. 11] p. 1573-1579.

DESCRIPTORS: Polymers, *Amides, Polymerization, *Copolymerization, *Styrenes, Physical properties, Chemical properties.

Graft polymers were obtained from ozone-treated polycaprolactam and mixed polyamide Anide G-669, and styrene. Several physical and physico-chemical properties of graft polymers were studied. These differ noticeably from the properties of the initial polyamides. (Engineering--Chemical, TT, v. 7, no. 7) (over)

61-20636

I. Korshak, V. V.
II. Mosgova, K. K.
III. Shkolina, M. A.
IV. Title: Grafting ...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Korshak, V. V., Zamyatina, V. A., and Bekasova, N. I.
HETEROCHAIN POLYESTERS. XXV. INVESTIGATION OF POLYCONDENSATION IN A THIN LAYER. [1963] 8p. (figs. tables omitted) 6 refs.
Order from OTS or SLA $1.10 63-18263

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 11, p. 1586-1592.

DESCRIPTORS: *Polyester plastics, *Phthalates, *Condensation reactions, Thin films, Reaction kinetics, Catalysis, Heat of activation, *Ethylenes, Glycols, Evaporation, Heat transfer.

Polycondensation of polyethyleneterephthalate in a thin layer at atmospheric pressure was investigated. An inverse dependence of the reaction speed on the thickness of the layer of reacting substance was established. (Materials--Plastics, TT, v. 10, no. 11) (over)

63-18263

1. Title: Polyethylene terephthlate
I. Korshak, V. V.
II. Zamyatina, V. A.
III. Bekasova, N. I.
IV. Title: Investigation ...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Degradation of Polyacrylonitrile by the Action of an Ultrasonic Field, by B. R. Geller, G. V. Goryachko, 7 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol I, No 11, 1959, pp 1610-1615.

AEC-604R
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194, 298

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

CEA-tr-R-1402 Uncl.

ETUDE DES RÉACTIONS DES RADICAUX LIBRES, DANS LE POLYTETRAFLUORETHYLENE IRRADIÉ. II. DETERMINATION DES CONSTANTES DES VITESSES DE REACTIONS SUIVANTES: $\dot{R}O_2 \rightarrow \dot{R} + O_2$ ET $\dot{R} + O_2 \longrightarrow \dot{R}O_2$. (Study of Reactions of Free Radicals in Irradiated Polytetrafluoroethylene. II. Determination of Reaction Rate Constants According to: $\dot{R}O_2 \rightarrow \dot{R} + O_2$ and $\dot{R} + O_2 \rightarrow \dot{R}O_2$). Yu. D. Tsvetkov (Ju. D. Cvetkov), Ya. (Ja.) S. Lebedev, and V. V. Voevodskii (Voevodskij). Translated into French from Vysokomolekulyarnye Soedineniya, 1: 1634-42(1959). 28p. (Includes original, 9p.).

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Studies of Free Radical Reactions in Irradiated Polytetrafluoroethylene. II. Determination of the Rate Constant of the Reactions $RO_2 \rightleftarrows R + O_2$ and $R + O_2 \rightarrow RO_2$, by Yu. D. Tsvetkov, Ya. S. Lebedev, V. V. Voyevodskiy, 11 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol I, No 11, 1959, pp 1634-1642.

SLA 60-16526

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190,254

Apr 62

Vol IV, No 6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Berlin, A. A. and Matveyeva, N. G
POLYMERS WITH CONJUGATED BONDS IN THE MACROMOLECULAR CHAINS. III. POLYAMINO-QUINONES (Polimery s Sopryazhennymi Svyazami v Tsepyakh Makromolekyl. III. O. Polyaminokhinonakh). Feb 61 [6]p. 2 refs. RTS 1705.
Order from LC or SLA mi$1.80, ph$1.80 61-15744

Trans. of Vysokomelekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 11, p. 1643-1646.
Another translation is available from ATS $7.50 as ATS-83M40R [1960] 4p.

Polyaminoquinones were synthesized by the interaction of chloranil with benzidine or hexamethylenediamine. Polymerhomologous conversions are possible because of the mobile halogen atoms in the quinone residues. When reacted with metal salts, polyaminoquinones form polymeric complexes, of apparently chelate structure. The EPR spectra and the magnetic susceptibility of aromatic polyaminoquinones and their (Chemistry--Organic, TT, v. 5, no. 8) (over)

61-15744

I. Quinones--Polymerization
I. Berlin, A. A.
II. Matveyeva, N. G.
III. RTS-1705
IV. Title: Polyaminoquinones
V. Department of Scientific and Industrial Research (Gt. Brit.)

ATS/RS-2461
151660

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Polymers With Conjugated Bonds in Macro-Molecular Chains. Part IV. Some Peculiarities of Polymeric Compounds Contining Hetero Atoms in a Conjugated Chain, by L. A. Blyumenfel'd, A. A. Berlin., 5 pp.

RUSSIAN, per, Vysokomolekulyarnyy Soyedin, Vol I, No 11, 1959, pp 1647-1651.

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188,897

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Mar 62
Vol IV, No 2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Khazanovich, T. N.
THE EXCLUDED VOLUME IN THE THEORY OF DEFORMATION OF SWELLED RETICULATED (CROSS-LINKED) POLYMERS. [1961] [28]p. (4 figs. omitted) 9 refs.
Order from LC or SLA mi$2.70, ph$4.80 61-10912

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959 [v. 1] no. 11, p. 1659-1666.

The free energy of the network of a swelled polymer was calculated by assuming as chain model the "pearl necklace" earlier employed in studies on the volume effects in polymer solutions (Zhur. Tekh. Fiz. 28: 1437, 1958). The application of procedures from the theory of real gases is valid provided the correlation between the relative fluctuations of segment pairs decreases sufficiently rapidly with increasing distance between them. It is shown on a particular example that such a decrease does take place. The dimensionless free energy expansion factor is proportional to the mean number of segments (Chemistry--Organic, TT, v. 5, no. 11) (over)

61-10912

1. Polymers--Solubility
I. Khazanovich, T. N.

155986

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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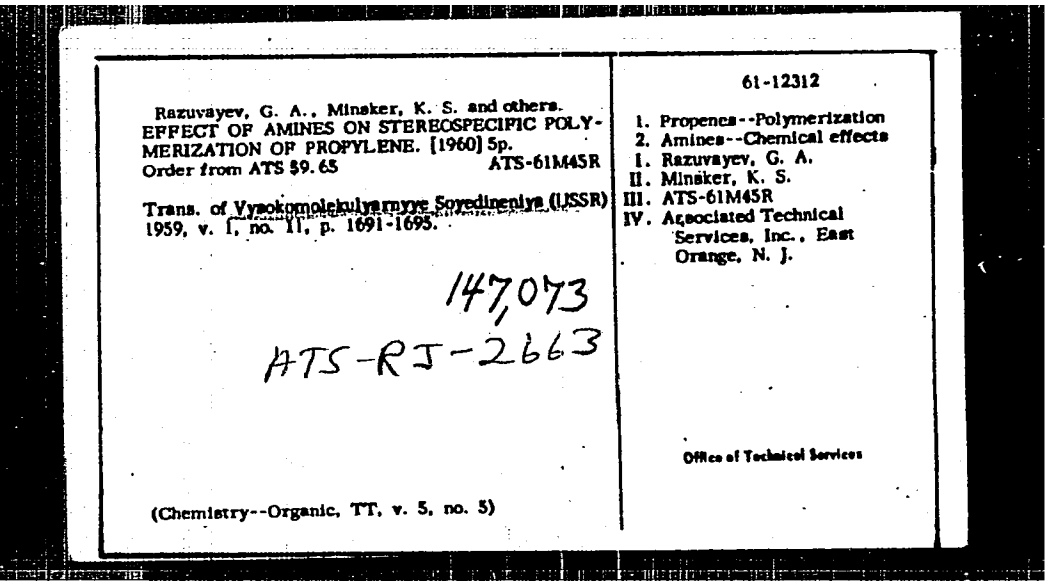

Razuvayev, G. A., Minsker, K. S. and others.
EFFECT OF AMINES ON STEREOSPECIFIC POLYMERIZATION OF PROPYLENE. [1960] 5p.
Order from ATS $9.65 ATS-61M45R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 11, p. 1691-1695.

147,073
ATS-RJ-2663

(Chemistry--Organic, TT, v. 5, no. 5)

61-12312

1. Propenes--Polymerization
2. Amines--Chemical effects
I. Razuvayev, G. A.
II. Minsker, K. S.
III. ATS-61M45R
IV. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Plate, N. A., Prokopenko, V. V., and Kargin, V. A.
POLYMERIZATION OF CERTAIN MONOMERS DURING DISPERSION OF INORGANIC SUBSTANCES.
[1962] 9p. (figs. omitted) 13 refs.
Order from OTS or SLA $1.10 62-18818

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 11, p. 1713-1720.

DESCRIPTORS: *Inorganic substances, *Polymerization, Molecular structure, Chemical reactions, Exchange reactions, Polymers, Production, Dispersion hardening.

62-18818

I. Plate, N. A.
II. Prokopenko, V. V.
III. Kargin, V. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Polycondensation Reactions in the Solid Phase. II. Polycondensation of Aminoheptanoic Acid in the Solid Phase in the Presence of Catalysts, by A. V. Volokhina, G. P. Kudryavtsev.
RUSSIAN, per, Vysokomolekul Soedin, Vol 1, No 11, 1959, pp 1724-1732.
Chem Trans Sv 3092

321,785

Sci - Chemistry
Apr 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Copolymerization of Vinyl Acetate with Crotonamide and Methylolcrotonamide, by S. N. Ushakov, L. B. Trukhmanova.
RUSSIAN, per, Vysokomolekul Soedin, Vol 1, No 12, 1959, pp 1754-1757.
ATS RJ-4959

Sci-Mat
Feb 69

373,776

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Synthesis and Study of Stereoregular Copolymers of Propylene and Isoprene, by N. S. Volkova, G. V. Khutareva, 7 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol I, No 12, 1959, pp 1758-1763.

ATS-88M2R
ATS/RJ-2465
190,238

Sci

Apr 62

Vol IV, No 6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Studies in Coordination Chain Polymers
I. The Preparation of Polymers of bis-(b-Diketones) and Metals, by V. V. Korshak, Ye. S. Krongauz, et al, 9 pp.

RUSSIAN, per, Vysokomolkulyarnyye Soyedineniya, Vol I, No 12, 1959, pp 1764-1771.

AEC-TS-10M39R
ATS/RJ-2441

Sci
Mar 62
Vol IV, No 2

188,894

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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Synthesis and Study of Stereoregular Copolymers of Propylene and Isoprene, by N. S. Volkova, G. V. Khutareva, 7 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol I, No 12, 1959, pp 1758-1763.

ATS-88N62R

Sci

Apr 62

Vol IV, No 6

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Berlin, A. A. [Tcherkashin, M. I.] and others.
POLYMERS WITH CONJUGATED BONDS IN THE MACROMOLECULAR CHAIN. V. SYNTHESIS AND SOME PROPERTIES OF POLYARYLVINYLENES.
17 Mar 60, [9]p. 2 refs.
Order from LC or SLA mi$1.80, ph$1.80 60-18468

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1 [no. 12] p. 1817-1820.

Phenylacetylene and p-diethynylbenzene are capable of polymerization and copolymerization on heating at 150 to 400°C or at 70°C in the presence of complexes of an aluminum trialkyl and $TiCl_4$ or $TiCl_3$. On increasing the polymerization temperature of phenylacetylene from 150 to 300°C, there is an increase in yield, molecular weight and viscosity of polyphenylvinylene; at the same time the polymer color changes from yellow to brown (300°C) and black (400°C). Polymers of phenylacetylene and p-diethynylbenzene and their copolymers have narrow EPR signals, a large concentration of paramagnetic particles (10^{17} to 10^{19} particles/g) and a high value of
(Chemistry--Organic, TT, v. 5, no. 3) (over)

60-18468

1. Acetylenes--Polymerization
2. Title: Vinylenes
3. Title: Conjugated bonds
I. Berlin, A. A.
II. Tcherkashin, M. I.
III. Title: Synthesis...

142,989

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Guzeev, V. V., Morozov, V. I., Shtarkman, B. P., and Rylov, E. E.
AUTOMATIC APPARATUS FOR THE TURBIDOMETRIC TITRATION OF POLYMER SOLUTIONS. [1963] 7p (figs refs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-10200

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 12 [p. 1840-1843].

(Chemistry--Analytical, TT, v. 11, no. 12)

TT-64-10200

I. Guzeev, V. V.
II. Morozov, V. I.
III. Shtarkman, B. P.
IV. Rylov, E. E.

Office of Technical Services

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Studies on the Spherulite Structure of Polymers. I. Degradation of Polymer Spherulites Under the Action of Fast Electrons, by P. V. Kozlov, Pan-tun Li, N. F. Bakeyev, 8 pp.

XXRUSSIAN, per, Vysokomolekulyarnyye Soyed, Vol I, No 12, 1959, pp 1848-1859.

ATS-89M42R

Pp-1848-1852-ATS/RT-2449
192, 643

Sci
Vol IV, No 7
Apr 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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13 069

In-1

KABANOV V. A., KARGIN V. A., SERGEEV G. V., ZUBOV V. P.

Electron resonance study of polymerization in the acrylonitrile: magnesium system obtained by molecular beam condensation

Vysokomol. Soed., 1, No. 12, 1859-1861 (1959)

379/60 - English

Euratom

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

The Synthesis of Thermoreactive Copolymers of Vinyl Acetate and Vinyl Alcohol with Methylolcrotonamide, by S. N. Ushakov, E. M. Lavrent'eva,
RUSSIAN, per, Vysokomolekul Soedin, Vol 1, No 12, 1959, pp 1862-1867.
ATS RJ-4958

Sci-Mat
Feb 69

373.775

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

BD 12/60b . (SF-1232).

60th Birthday of S. M. Lipatov, 2 pp

RUSSIAN, per, Vysokomolekularnyye Soyedineniya, No 12, 1959, pp 1868-1869.

*JPRS 4663

USSR

Biog

27 Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Eleventh All-Union Conference on High-Molecular-Weight Compounds, by N. F. Bakeyev, 23 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol I, No 12 1959, pp 1877-1891.

JPRS 3552

Sci - Phys

Oct 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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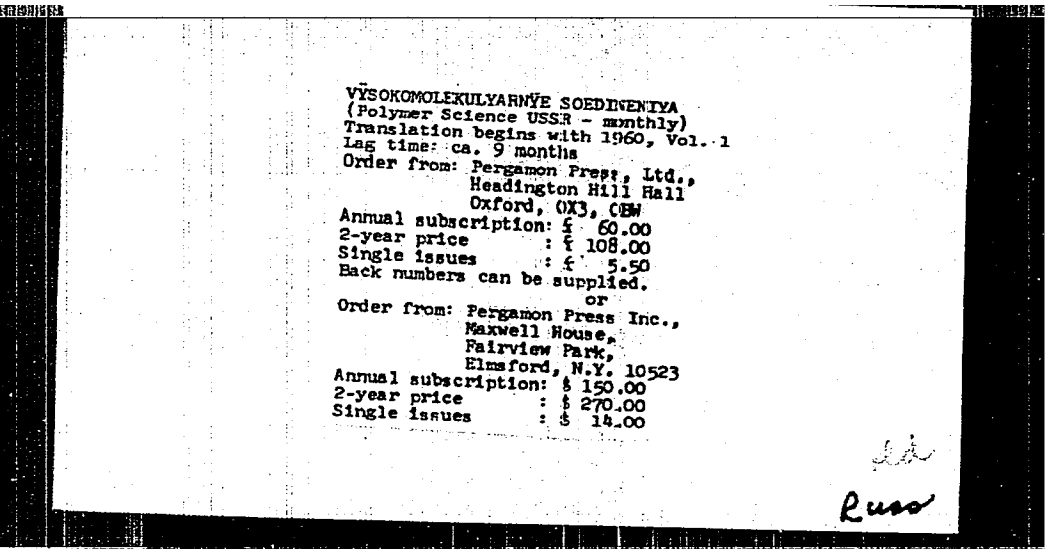

VYSOKOMOLEKULYARNYE SOEDINENIYA
(Polymer Science USSR - monthly)
Translation begins with 1960, Vol. 1
Lag time: ca. 9 months
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Russ

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28 Nov 67

The synthesis and basic properties of polyacrylate esters of different defrees of polymerization

By: A.A. BERLIN

From: Vysokomolekuliarnoye Soedineniia Vol 2, No 3, 1960: 411-416 (6 pp)

Russian - est for wds:

Please translate and type 1 original and 1 carbon copy. Document can be cut.

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Diffusion Coefficient and the Nature of Diffusing Molecules, Pt. I, by R. M. Vasenin.
RUSSIAN, per, Vysokomolekulyarnye Soedineiya, Vol 2, 1960, pp 857-63.
SLA TT-66-10794

331, 506

Sci - Chem
Jul 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Korshak, V. V., Polyakova, A. M., and Suchkova, M. D.
SYNTHESES DES COMPOSES VINYLIQUES DU PLOMB ET RECHERCHE DE LEUR POLYMÉRISATION [The Synthesis of Vinyl Compounds of Lead and a Study of their Polymerization] tr. by Szyszman. [1961] [22]p. 10 refs. CEA Trans. R 1413 (text in French).
Order from OTS or SLA $2.60 62-13807

Trans. in French of Vysokomol[ekulyarnye] Soed-[ineniya] (USSR) 1960 [v. 2] no. 1, p. 13-19.

DESCRIPTORS: Synthesis, *Vinyl radicals, Dioxides, Decomposition, *Polymerization, Copolymerization, Styrenes, Ethyl radicals *Lead compounds, Methyl radicals.

(Chemistry--Organic, TT, v. 7, no. 8) (over)

62-13807

I. Korshak, V. V.
II. Polyakova, A. M.
III. Suchkova, M. D.
IV. CEA-tr-R1413
V. Commissariat à l'Énergie Atomique (France)

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Radiation Polymerization of Isoprene, Pt. I.,
by V. S. Ivanov, M. A. Sokolova, 3 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol II, No 1, 1960, pp 35-37.

AF AFS-09M45R

203,221

Sci

Jun 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Deformation Properties of Polymers,
by Ye. Ye. Glukhov, A. A. Gorelina,
A. V. Shelion, 9 pp.

RUSSIAN, per, Vysokomolekulyarnyye
Soyedineniya, Vol II, No 1, 1960,
pp 38-45.

OTS 60-10176
ATS-53M40R
ATS/RS- 2455

Sci
Mar 62
Vol IV, No 2

188, 898

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Kabin, S. P. and Usyarov, O. G.
APPLICATION OF THE ULTRASONIC METHOD FOR DETERMINATION OF COMPONENTS CONCENTRATIONS IN MIXTURES OF POLYETHYLENE WITH POLYPROPYLENE AND IN ETHYLENE/PROPYLENE COPOLYMERS. [1961] 4p. 7 refs.
Order from OTS or SLA $1.10 61-14972

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960 [v. 2] no. 1, p. 46-49.

DESCRIPTORS: *Polymers, *Ethylenes, *Propenes, Copolymerization, Ultrasonics, Determination, Mixtures.

(Materials--Plastics, TT, v. 6, no. 1)

61-14972

I. Kabin, S. P.
II. Usyarov, O. G.

161775

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Korshak, V. V., Vinogradova, S. V., and Lebedeva, A. S.
HETEROCHAIN POLYESTERS. XXVI. SOME LAWS GOVERNING POLYESTERIFICATION AT THE INTERFACE BOUNDARY. 27 Apr 60 [11]p. 13 refs.
Order from LC or SLA mi$2.40, ph$3.30 60-18472

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2 [no. 1] p. 61-66.

Some laws were investigated governing the polyesterification at the interface boundary. The yield of polyester and its reduced viscosity increase with an increase of the intensity of stirring of the reaction mixture. The highest molecular weight of polyester was obtained on adding a solution of isophthaloyl chloride in p-xylene to an aqueous-alkaline solution of diane (0.1M concentration) during 11 minutes at about 20°C, when working with solutions of the starting substances with the same concentration. (See also 60-12618)

(Chemistry--Organic, TT, v. 5, no. 3)

60-18472

1. Carboxylic acids--Condensation
2. Phenols--Condensation
3. Esters--Polymerization
4. Title: Hetero-chain polymers
5. Title: Esterification
I. Korshak, V. V.
II. Vinogradova, S. V.
III. Lebedeva, A. S.
IV. Title: Some...

143,027

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Kolesnikov, H. S. and Matveyeva, N. G.
CARBOCHAIN POLYMERS AND COPOLYMERS. XX. ON THE POLYMERIZATION AND COPOLYMERIZATION OF 1-FLUORO-1,1-DICHLORO- AND 1,1-DIFLUORO-1-CHLORO-PROPYLENES-2. [1960] 6p. 13 refs.
Order from LC or SLA mi$1.80, ph$1.80 60-18470

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2, no. 1, p. 82-84.

The synthesis, polymerization and copolymerization of 1-fluoro-1,1-dichloro- and 1,1-difluoro-1-chloropropylene-2 were accomplished by the dehydrochlorination from 1-fluoro-1,1,3-trichloro-propane and 1,1-difluoro-1,3-dichloro-propane, respectively. The copolymers of 1-fluoro-1,1-dichloro- and 1,1-difluoro-1-chloropropylene with styrene have glass transition temperatures higher than the glass transition temperature of homopolymers which is explained apparently by the formation of fluorine-hydrogen bonds between the polymer chains. (See also 60-10042, 60-22806)

60 18470

1. Propenes--Polymerization
I. Kolesnikov, ~~H. S.~~ G. S.
II. Matveyeva, N. G.
III. Title: Polymerization...

143,028

NLL M.3300

Office of Technical Services
(Chemistry--Organic, TT; v. 5, no. 3)

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Investigation Into the Mechanical Properties of Polymers Undergoing Irradiation, Parts I and II, by M. A. Mokul'skiy.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol II, 1960, pp 103-118.
*AEC

Phys
May 64

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

CEA-tr-R-1400 Uncl.

PROCESSUS CINETIQUES DANS UNE SUBSTANCE IRRADIEE. (Kinetic Processes in Irradiated Substances). M. A. Mokul'skii. Translated into French from Vysokomolekulyarnye Soedineniya, 2: 119-29(1960). 34p. (Includes original, 11p.).

Radiation Effects; Translations MC-40

C-40 NP NSA Dep.(mc); $3.60(fs), $1.22(mf) JCL or OTS

N-3

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Bresler, S. Ye. and others.
DEGRADATION OF STEREOREGULAR POLYPROPYLENE. [1960] 5p. 3 refs.
Order from SLA mi$1.80, ph$1.80 60-18426

Trans. of [Vysokomolekulyarnyye Soyedineniya] (USSR) 1960 [v. 2] no. 1, p. 130-132.

Experiments showed that polypropylene which is quite thermo-stable in a vacuum, undergoes an intense oxidative degradation on heating in the air. In the presence of oxygen there is observed no difference in degradation of the amorphous and crystalline polypropylene. Residues of titanium oxide which can be present in commercial samples of polypropylene obtained by means of Ziegler catalysts have no effect on polymer degradation. In order to inhibit the oxidative degradation of polymers it is necessary to use antioxidants which act weakly at room temperature. Di-(4-oxyphenyl) sulfide especially strongly inhibits the oxidative degradation of polypropylene. (Author)

(Chemistry--Organic, TT, v. 5, no. 3)

60-18426

1. Propene polymers--Deterioration
2. Propene polymers--Oxidation
I. Bresler, S. Ye.

143,042

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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Zil'berman, Ye. N. and Teplyakov, N. M.
SYNTHESIS OF COMPLEX POLYESTERS FROM DINITRILES AND GLYCOLS VIA POLYIMINOESTER HYDROCHLORIDES. 20 Apr 60 [7]p. 4 refs.
Order from LC or SLA ml$1.80, ph$1.80 60-18469

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2 [no. 1] p. 133-135.

By interaction of dinitriles of alkanedioic and aralkanedioic acids with glycols in the cold and in the presence of hydrogen chloride, there are formed polyiminoester hydrochlorides that are transformed by hydrolysis into complex polyesters having terminal nitrile and hydroxy groups. Eight complex polyesters with molecular weights of 1000-1700 were synthesized. (Author)

(Chemistry--Organic, TT, v. 5, no. 3)

60-18469

1. Esters--Synthesis
2. Cyanides--Chemical reactions
3. Glycols--Chemical reactions
I. Zil'berman, Ye. N.
II. Teplyakov, N. M.

143,029

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Plasticization of Poly(Vinyl Alcohol)-Styrene and Polyacrylic Acid-Styrene Graft Copolymers, by V. A. Kargin.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 2, No 1, 1960, pp 166-173.
NTC-71-11535-11I

Feb 72

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Uskov, I. A.
THE FILLING OF POLYMETHYLMETHACRYLATE WITH AMINATED BENTONITE BY DIRECT ADDITION INTO THE MONOMER; THE EFFECT OF AMINATED BENTONITE DISPERSION IN THE MONOMER ON THE STRENGTHENING OF PMMA; POLYMERIZATION OF MMA WITH DISPERSED SODIUM BENTONITE
(Napolnenie Polimetilmetakrilata Aminirovannym Bentonitom, Vvodimym Neposredstvenno v Monomer; Vliyanie Dispergirovaniya Aminirovannogo Bentonita v Srede Monomera na Usilenie Polimetilmetakrilata; Polimerizatsiya Metilmetakrilata pri Dispergirovanii Natrievogo Bentonita) tr. by R. J. Zatorski. Pts. 1-3 of Filled Polymers. [1963] [25]p (foreign text included) 22refs [CSIRO] Trans. no. 6170
Order from OTS, SLA, or ETC $2.60 TT-63-23754

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1960, v. 2, no. 2, p. 200-204, 728-730, 926-930. (Abstract available)
(Materials--Plastics, TT, v. 11, no. 2) (over)

TT-63-23754

I. Uskov, I. A.
II. Title: Effect...
III. Title: Filled...
IV. Title: Polymerization...
V. CSIRO Trans-6170
VI. Commonwealth Scientific and Industrial Research Organization (Australia)

Office of Technical Services

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Uskov, I. A.
FILLED POLYMERS. I. FILLING OF POLY(METHYL METHACRYLATE) BY ANIMATED BENTONITE, ADDED DIRECTLY TO THE MONOMER. [1961]6p.
Order from ATS $9.85 ATS-69P58R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1960, v. 2, no. 2, p. 200-204.
An abstract trans. is available from LC or SLA mi$1.80, ph$1.80 as 60-23835, AID-60-27, 15 July 60, 1p.

DESCRIPTORS: *Methyl radicals, *Acrylic resins, *Bentonite, Polymerization, Polymers

For abstract see Technical Translations 4: 682, 1960.

(Materials--Plastics, TT, v. 7, no. 10)

62-12571

I. Uskov, I. A.
II. Title: Filling ... *
III. ATS-69P58R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Kargin, V. A., Kabanov, V. A., and Zubov, V. P. SYNTHESIS OF ISOTACTIC POLY(METHYL METHACRYLATE) BY POLYMERIZATION OF THE FROZEN MONOMER. [1960] 3p.
Order from ATS $3.60 ATS-35M47R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2, no. 2, p. 303-305.

148,670

(Chemistry--Organic, TT, v. 5, no. 7)

61-12691

1. Acrylic resins--Synthesis
I. Kargin, V. A.
II. Kabanov, V. A.
III. Zubov, V. P.
IV. ATS-35M47R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-2680

Office of Technical Services

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Mechanism of Oxidation of Cellulose and of Its Approximate Models by Atmospheric Oxygen, by O. P. Golova.
RUSSIAN, per, Vysokomolckulyarnye Soedineniya, Vol 2, No 3, 1960, pp 337-340.
*NTIS TT 71-51002

July 71

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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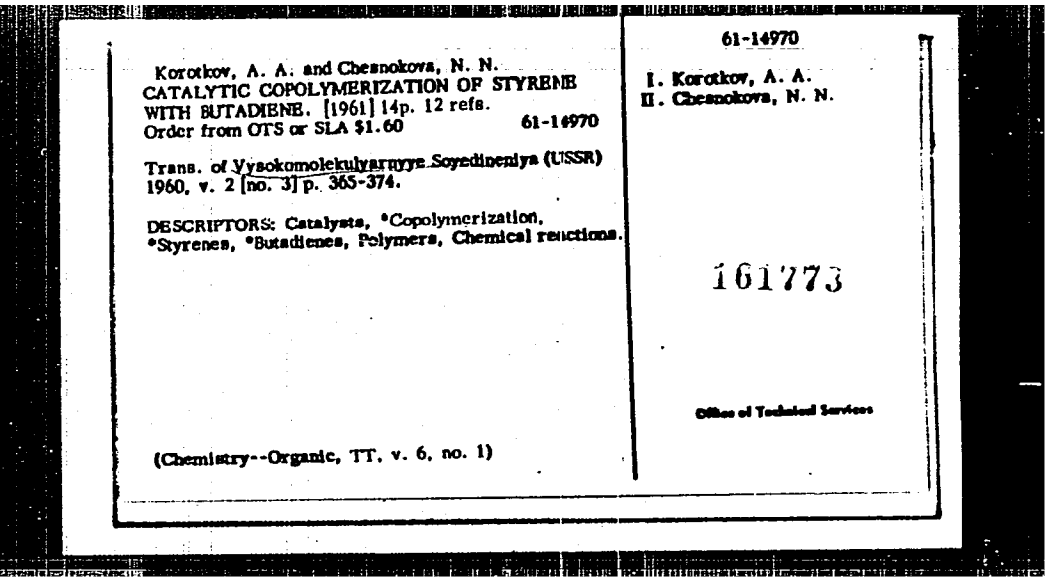

Korotkov, A. A. and Chesnokova, N. N.
CATALYTIC COPOLYMERIZATION OF STYRENE WITH BUTADIENE. [1961] 14p. 12 refs.
Order from OTS or SLA $1.60 61-14970

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2 [no. 3] p. 365-374.

DESCRIPTORS: Catalysts, *Copolymerization, *Styrenes, *Butadienes, Polymers, Chemical reactions.

(Chemistry--Organic, TT, v. 6, no. 1)

61-14970

I. Korotkov, A. A.
II. Chesnokova, N. N.

161773

Office of Technical Services

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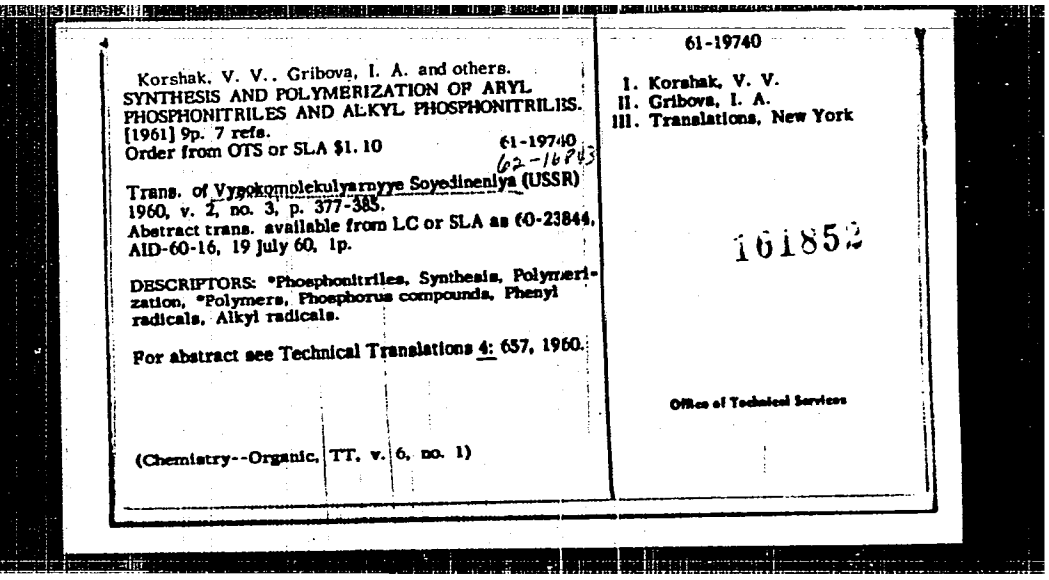

Korshak, V. V., Gribova, I. A. and others.
SYNTHESIS AND POLYMERIZATION OF ARYL PHOSPHONITRILES AND ALKYL PHOSPHONITRILES.
[1961] 9p. 7 refs.
Order from OTS or SLA $1.10 61-19740
62-16843

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2, no. 3, p. 377-385.
Abstract trans. available from LC or SLA as 60-23844, AID-60-16, 19 July 60, 1p.

DESCRIPTORS: *Phosphonitriles, Synthesis, Polymerization, *Polymers, Phosphorus compounds, Phenyl radicals, Alkyl radicals.

For abstract see Technical Translations 4: 657, 1960.

(Chemistry--Organic, TT, v. 6, no. 1)

61-19740

I. Korshak, V. V.
II. Gribova, I. A.
III. Translations, New York

161852

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Investigation of the Possibility of Preparing Unsaturated Compounds of Cellulose by the Chugaev Reaction, by A. I. Polyakov.

RUSSIAN, per, Vysok Soedin, Vol II, No 3, 1960, pp 386-389.

NLL(LOAN)Ref: 5828.4 1963 (5440)

Sci-Chem
April 64

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

The Synthesis and Basic Properties of Plyacrlate Esters of Different Degrees of Plymerization, by A. A. Berlin, T. Ya. Kefeli, Yu. M. Filippovskaya, Yu. M. Silvergin.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 2, No 3, 1960, PP. 411-16
NTC 69-10641-07C

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Kozlov, P. V. and others.
STUDIES IN THE SPHERULITE STRUCTURE OF POLYMERS. III. A STUDY OF THE MICROSPHERULITE STRUCTURE OF POLYMERS BY ETCHING.
[1960] 12p. 11 refs.
Order from SLA mi$2.40, ph$3.30 60-18427

Trans. of [Vysokomolekulyarnyye Soyedineniya] (USSR) 1960 [v. 2] no. 3, p. 421-426.

On the basis of the etching method used there were shown optical and electron microscopic studies of structures of microspherulites occurring in films of polyethylene sebacate obtained from solution. The separate coexistence in the microspherulite of polyethylene sebacate of crystalline and amorphous phases was established. The crystalline phase of the polymer is constituted of a helical-ribbon shaped packet of polymer chains composing the structural elements of the microspherulites themselves. The amorphous phase of the polymer consists of globular shapes not
(Chemistry--Organic, TT, v. 5, no. 3) (over)

60-18427

1. Polymers--Crystal structure
2. Title: Spherulite structure
I. Kozlov, P. V.
II. Title: Study...

143,041

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

A Study in the Field of Organophosphorus Polymers. IX. Polycondensation Reaction of Phosphonic Acid Dichlorides With Dihydroxy Compounds, by V. V. Korshak, et al.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol II, 1960, pp 427-432.

ATS 5004 1R
ATS/RF 38,582

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Kolesnikov, G. S., Suprun, A. P. and others.
CARBON CHAIN POLYMERS AND COPOLYMERS.
XXI. COPOLYMERS BASED ON BICYCLO(2. 2. 1)
HEPTA-2, 5-DIENE AND 1, 2, 3, 4, 7, 7-HEXACHLORO-
BICYCLO(2. 2. 1)HEPTA-2, 5-DIENE. [1961] 5p.
Order from ATS $6.75 ATS-19N52R
61-20642

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1960, v. 2, no. 3, p. 451-455.

DESCRIPTORS: Polymerization, Copolymerization, Condensation reaction, Polymers, Cyclic compounds, Chlorine compounds

(Chemistry--Organic, TT, v. 6, no. 4)

61-22936

I. Kolesnikov, G. S.
II. Suprun, A. P.
III. Title: Copolymers ...
IV. ATS-19N52R
V. Associated Technical Services, Inc., East Orange, N. J.

177764

ATS-RJ-3073

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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11 009 US-14

KISHCH L., DOBE Ya.

Graft copolymerization of methyl methacrylate and styrene on gelatin induced by ionizing radiation

Vysokomolekulyarnye Soedineniya, 2, No. 3, 464-465 (1960)

ATS-91M41R. $ 2.10 - English

Euratom
ATS/RJ-2444

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Levoglucosan Polyethers. I. Polymerization of Leroglucosan and its Ethers, by V. V. Korshak.
RUSSIAN, per, Vysokomolckulyarnye Soedineniya, Vol 3, No 3 1961, pp 477-485.
*NTIS TT 71-51003

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Interfacial Polycondensation of Diamine Salts and Dicarboxylic Acid Chlorides, by L. B. Sokolov, T. V. Kudim, 4 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyed, Vol II, No 4, 1960, pp 431-484.

ATS-24442R
ATS/RJ-2436

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

HEAT RESISTANCE OF CHELATE (METAL-COORDINATION) POLYMERS. 7 Nov 60, 3p. AID rept. 60-83; AD-246 712.
Order from LC or SLA mi$1.80, ph$1.80 61-13991

Abstract trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2, no. 4, p. 492-507 and 526-528; no. 5, p. 662-672 and 701-792.
Complete translations are available from ATS:
Pt. 1, $9.50 as ATS-45M42R [1960] 7p.
Pt. 2, $12.50 as ATS-44M42R [1960] 10p.
Pt. 3, $13.95 as ATS-13M43R [1960] 10p.
Pt. 4, $6.00 as ATS-32M42R [1960] 4p.
Pt. 5, $3.00 as ATS-14M43R [1960] 2p.
PP 492-497-ATS/RS-2423
Contents: PP 526-528-ATS/RT-2440
I. Study in the Field of Coordination of Polymers.
II. On Some Metal-Containing Polymers of Quinizarin, by V. V. Korshak and others
(Chemistry--Organic, TT, v. 5, no. 4) (over)

61-13991

I. Chelate compounds--Thermal properties
2. Title: Coordination polymers
I. AID-60-83
II. Air Information Div., Washington, D. C.
III. Title: Investigation of Coordination-chain Polymers, Pts. 2-4.
IV. AD-246 712

143,339

PP 498-507-ATS/RS-2424

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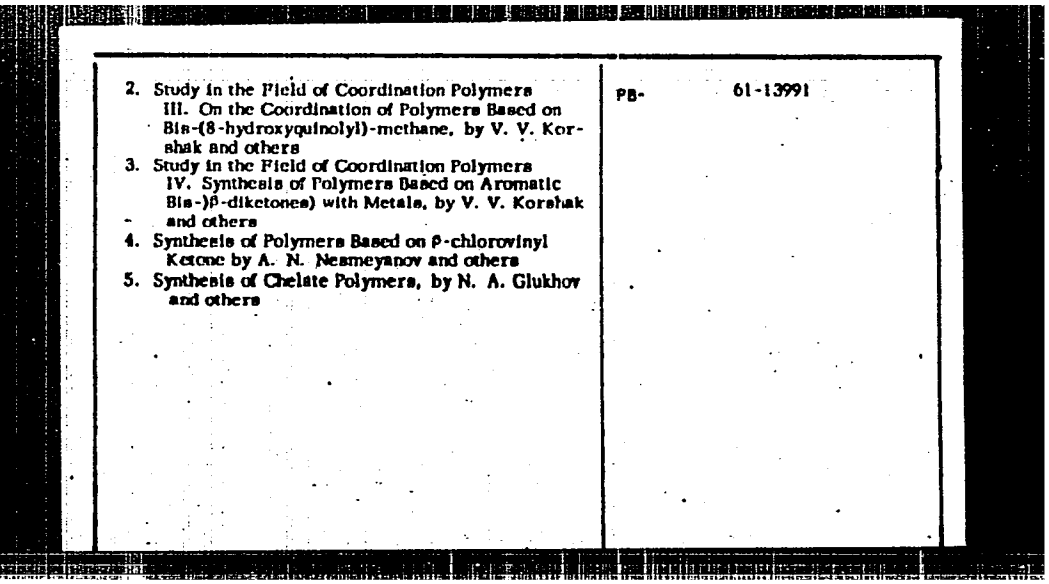

2. Study in the Field of Coordination Polymers III. On the Coordination of Polymers Based on Bis-(8-hydroxyquinolyl)-methane, by V. V. Korshak and others 3. Study in the Field of Coordination Polymers IV. Synthesis of Polymers Based on Aromatic Bis-)β-diketones) with Metals, by V. V. Korshak and others 4. Synthesis of Polymers Based on β-chlorovinyl Ketone by A. N. Nesmeyanov and others 5. Synthesis of Chelate Polymers, by N. A. Glukhov and others	PB- 61-13991

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Investigation of Coordination Polymers III. Coordination Polymers of BIS (8-HY-Droxyguinolyl) Methane, by V. V. Korshak, S. V. Vinogradova, T. M. Babchinitser.

RUSSIAN, per, Vysokomolekulyarnyye Soyed, Vol II, No 4, 1960, pp 498-507.

ATS-44442R
ATS/RS-2424

192, 641

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Slovokhotova, N. A., Sadovskaya, G. K., and Kargin, V. A.
INFLUENCE OF FAST ELECTRONS ON THE STRUCTURE OF POLYETHYLENETEREPHTHALATE. [1961] (2 figs. omitted) 12 refs.
Order from OTS or SLA $1.10 62-10980

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1961, v. 3, no. 4, p. 515-520.

DESCRIPTORS: *Electrons, Crystal structure, *Polymerization, *Ethylenes, *Phthalates, Isomeric transitions, Ionization, *Radiation effects, Phenyl radicals, Radiochemistry.

Polyethyleneterephthalate on irradiation with fast electrons goes over from the crystalline to the amorphous state. This amorphisation is associated with the isomerization of certain portions of the polymer (Nuclear Physics and Nuclear Chemistry, TT, v. 8, no. 6) (over)

62-10980

I. Slovokhotova, N. A.
II. Sadovskaya, G. K.
III. Kargin, V. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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Polymers Based on BIS(n-Hydroxyphenyl) Propane and Phthalic Acids, by K. A. Andryanov, M.V. Parbuzina, I. L. [illegible]

RUSSIAN, per, Vysokomelkularnyye Soyedin. Vol II, No 4, 1960, pp 518-520,

SLA 60-18108

Sci
Feb 62

186,814

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

Andrianov, K. A., Gribanova, O. I., and others. STUDY OF THE POLYCONDENSATION REACTION OF POLYETHYL-ENETEREPHTHALATE AND POLYORGANOETHOXYSILOXANES. 7 Nov 60, 2p. AID repr. 60-82; AD-246 711.
Order from LC or SLA mi$1.80, ph$1.80 61-13990

Abstract trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2, no. 4, p. 521-525.

An organosilicon polymer with active ethoxy groups was synthesized by heterocondensation of methyl phenyl ethoxysilane chloride with phenyl triethoxysilane in a molar ratio of 1:0.5. The molecular weight of the polymer was 600-800, and the content of the ethoxy groups was 22.50%. The structure was assumed to be linear, with ethoxy groups situated both in the ends of the chain and as occasional side substituents. These active groups were then brought in contact with active hydroxyl end groups of polyethyl- (Materials--Patnts, TT, v. 5, no. 4) (over)

61-13990

1. Silicones--Polymerization
2. Phthalates--Polymerization
3. Condensation reactions
4. Varnishes--Development
5. Title: Block polymers
6. Title: Graft polymers
I. Andrianov, K. A.
II. Gribanova, O. I.
III. AID-60-82
IV. Air Information Div., Washington, D. C.
V. AD-246 711

143,340

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5

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Synthesmis of Polymers From b-Chlorovinyl Ketones, by A. N. Nesmeyanov, M. I. Rybinskaya, G. L. Slonimskiy, 4 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol II, No 4, 1960, pp 526-528.

ATS-32N42R

192,652

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900074-5